

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061423\
 Data File : BM040246.D
 Acq On : 14 Jun 2023 20:40
 Operator : MA/JU
 Sample : 03088-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFR5

Quant Time: Jun 15 00:52:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 00:31:16 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

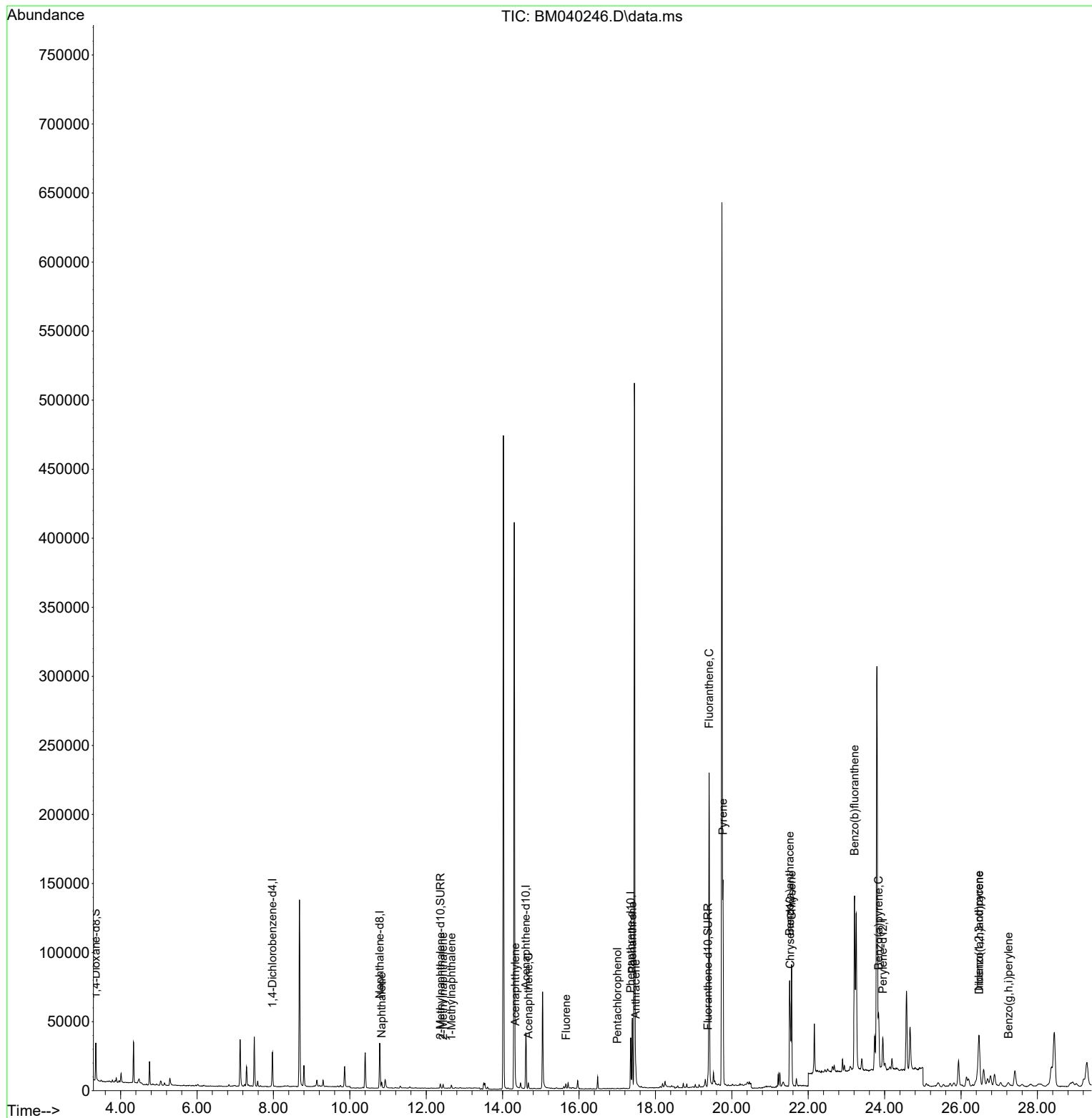
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.974	152	12127	0.400	ng/ul	0.00
4) Naphthalene-d8	10.782	136	43248	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.608	164	22482	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.352	188	41246	0.400	ng/ul	0.00
17) Chrysene-d12	21.527	240	31339	0.400	ng/ul	0.00
23) Perylene-d12	23.953	264	32315	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	16086	1.074	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.371	152	3975	0.072	ng/ul	0.00
18) Fluoranthene-d10	19.373	212	6956	0.089	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.832	128	5772	0.056	ng/ul#	94
7) 2-Methylnaphthalene	12.443	142	1886	0.030	ng/ul	100
8) 1-Methylnaphthalene	12.657	142	1541	0.023	ng/ul	96
10) Acenaphthylene	14.330	152	3976	0.051	ng/ul#	90
11) Acenaphthene	14.673	153	2309	0.034	ng/ul	96
12) Fluorene	15.658	166	1993	0.027	ng/ul#	94
14) Pentachlorophenol	17.001	266	197	0.023	ng/ul	92
15) Phenanthrene	17.394	178	51414	0.474	ng/ul	99
16) Anthracene	17.483	178	8790	0.096	ng/ul#	93
19) Fluoranthene	19.406	202	162954	1.526	ng/ul#	78
20) Pyrene	19.768	202	117294	1.058	ng/ul	99
21) Benzo(a)anthracene	21.512	228	61395	0.664	ng/ul	98
22) Chrysene	21.565	228	93216	0.954	ng/ul	98
24) Benzo(b)fluoranthene	23.213	252	154639	1.298	ng/ul#	69
26) Benzo(a)pyrene	23.845	252	49166	0.503	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	26.468	276	61747	0.499	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.478	278	17561	0.177	ng/ul#	78
29) Benzo(g,h,i)perylene	27.246	276	5078	0.049	ng/ul#	25

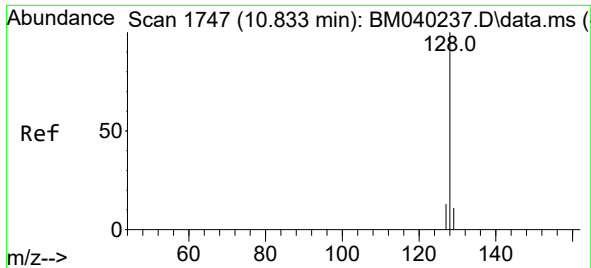
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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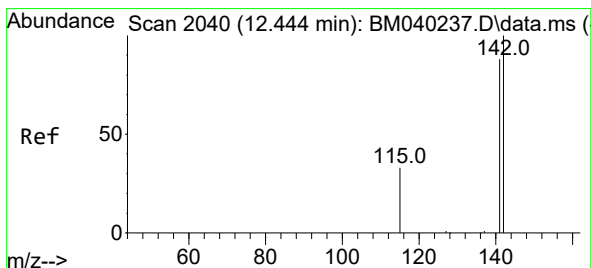
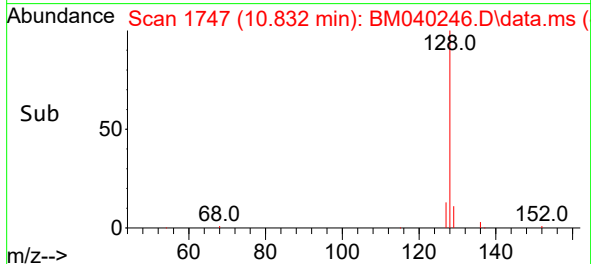
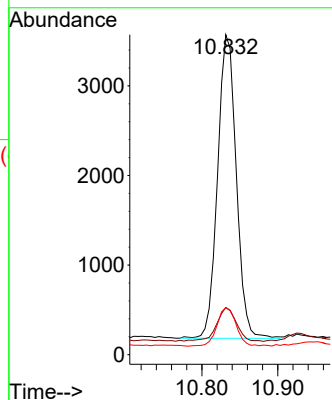
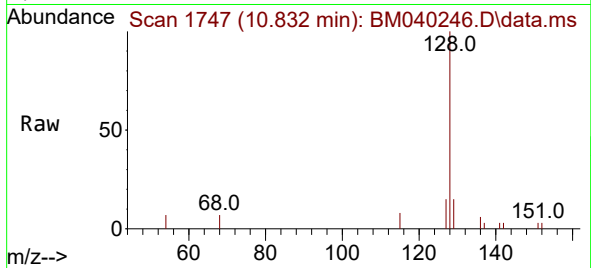




#5
Naphthalene
Concen: 0.056 ng/ul
RT: 10.832 min Scan# 1747
Delta R.T. -0.001 min
Lab File: BM040246.D
Acq: 14 Jun 2023 20:40

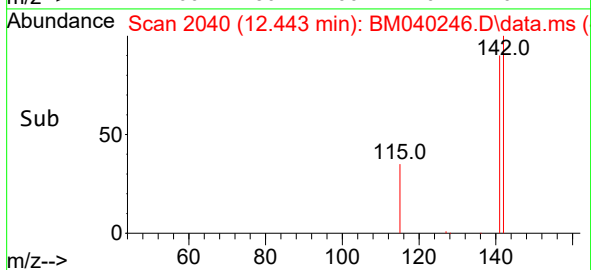
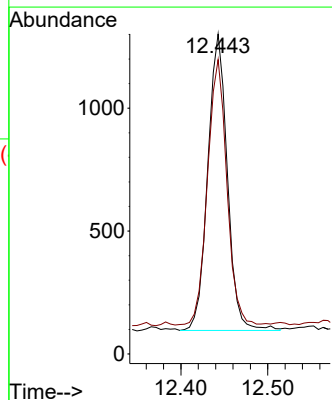
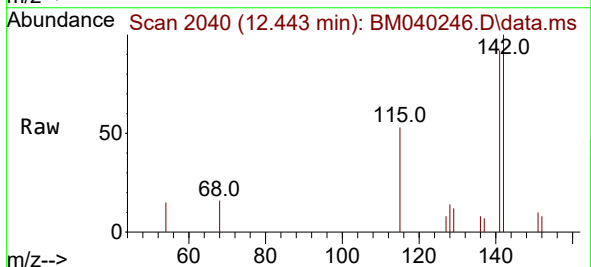
Instrument :
BNA_M
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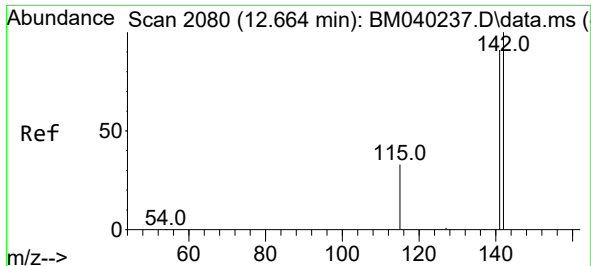
Tgt Ion:128 Resp: 5772
Ion Ratio Lower Upper
128 100
129 14.7 9.1 13.7#
127 14.6 10.4 15.6



#7
2-Methylnaphthalene
Concen: 0.030 ng/ul
RT: 12.443 min Scan# 2040
Delta R.T. -0.001 min
Lab File: BM040246.D
Acq: 14 Jun 2023 20:40

Tgt Ion:142 Resp: 1886
Ion Ratio Lower Upper
142 100
141 88.5 70.6 106.0

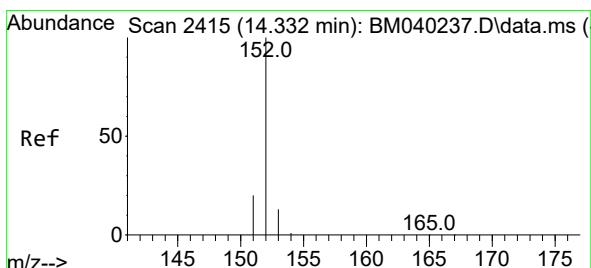
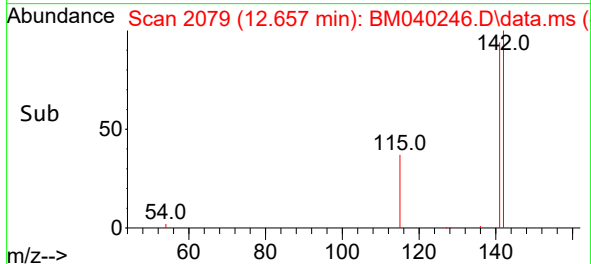
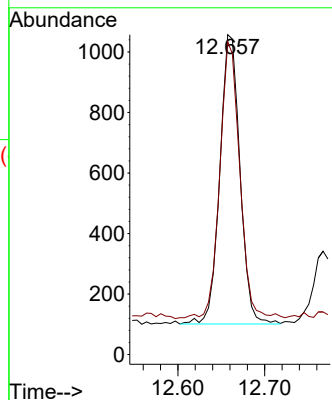
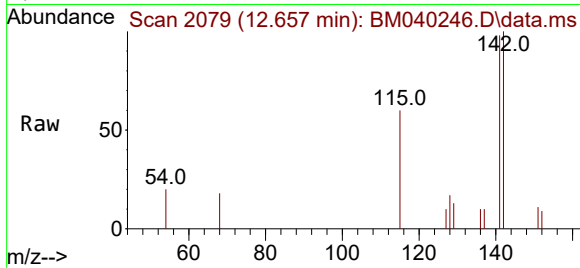




#8
1-Methylnaphthalene
Concen: 0.023 ng/ul
RT: 12.657 min Scan# 2080
Delta R.T. -0.007 min
Lab File: BM040246.D
Acq: 14 Jun 2023 20:40

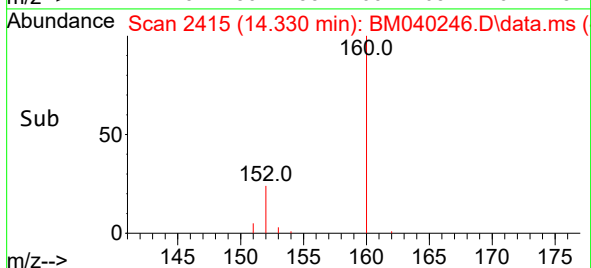
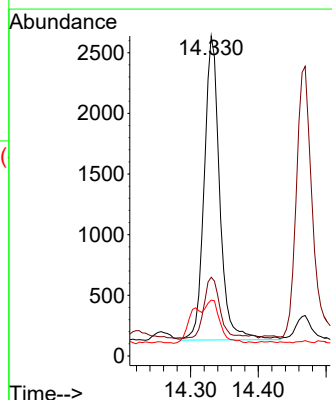
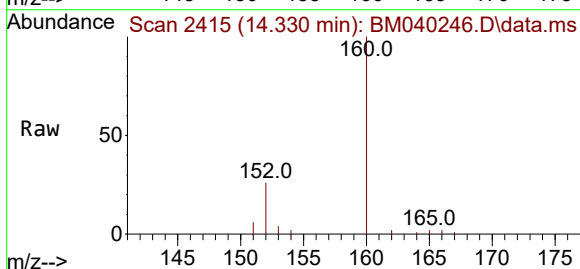
Instrument :
BNA_M
ClientSampleId :
DCFR5

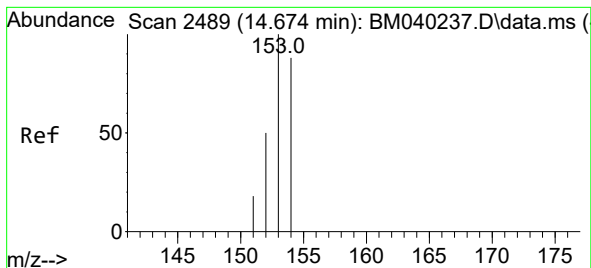
Tgt Ion:142 Resp: 1541
Ion Ratio Lower Upper
142 100
141 95.1 73.0 109.4



#10
Acenaphthylene
Concen: 0.051 ng/ul
RT: 14.330 min Scan# 2415
Delta R.T. -0.001 min
Lab File: BM040246.D
Acq: 14 Jun 2023 20:40

Tgt Ion:152 Resp: 3976
Ion Ratio Lower Upper
152 100
151 24.6 16.3 24.5#
153 17.5 10.7 16.1#





#11

Acenaphthene

Concen: 0.034 ng/ul

RT: 14.673 min Scan# 2489

Delta R.T. -0.001 min

Lab File: BM040246.D

Acq: 14 Jun 2023 20:40

Instrument :

BNA_M

ClientSampleId :

DCFR5

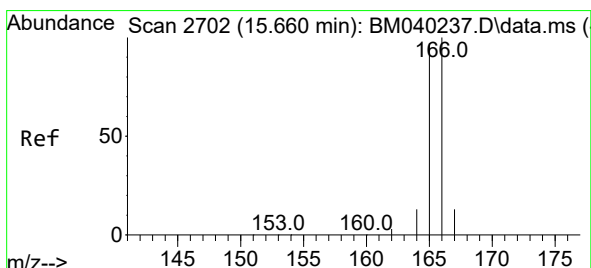
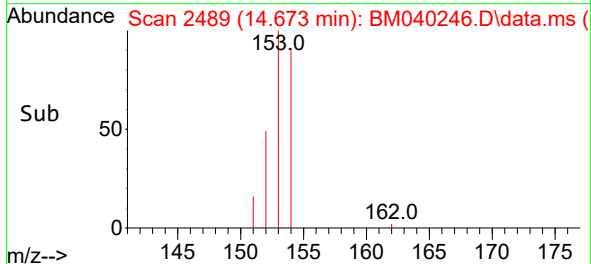
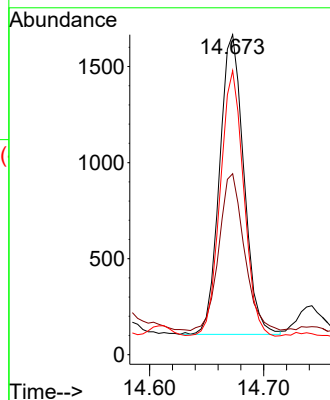
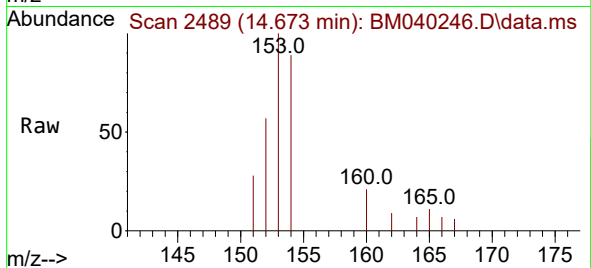
Tgt Ion:153 Resp: 2309

Ion Ratio Lower Upper

153 100

152 56.5 40.3 60.5

154 88.8 70.5 105.7



#12

Fluorene

Concen: 0.027 ng/ul

RT: 15.658 min Scan# 2702

Delta R.T. -0.001 min

Lab File: BM040246.D

Acq: 14 Jun 2023 20:40

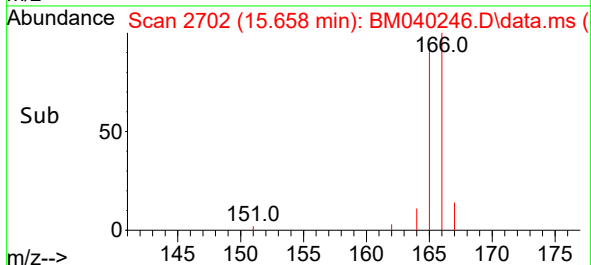
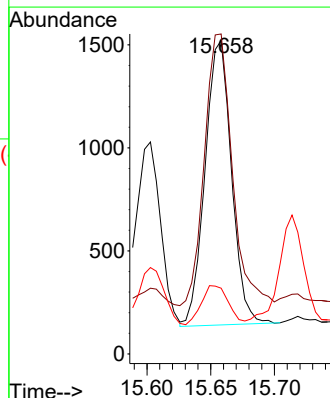
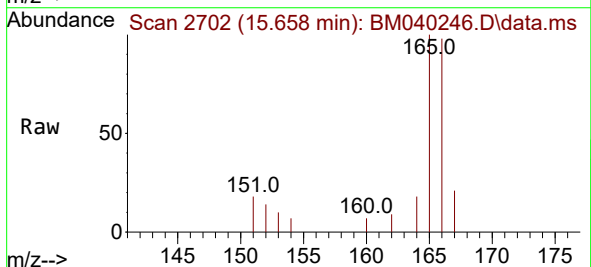
Tgt Ion:166 Resp: 1993

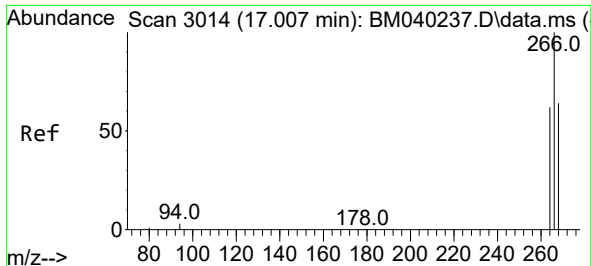
Ion Ratio Lower Upper

166 100

165 102.1 78.2 117.4

167 21.0 11.0 16.4#

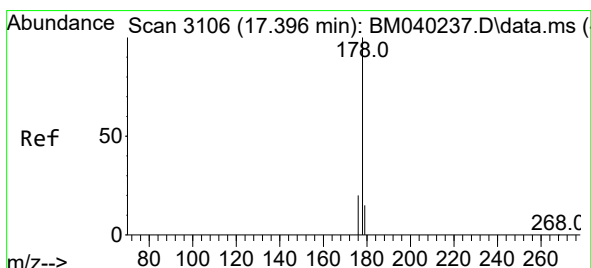
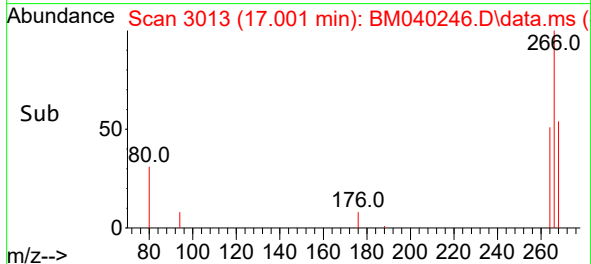
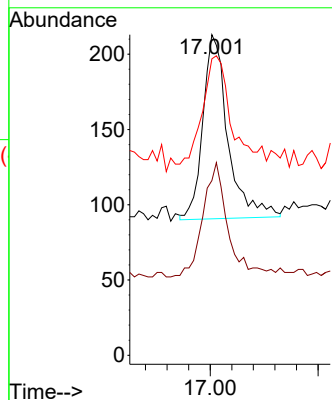
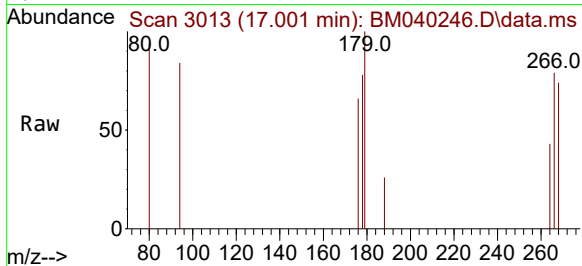




#14
 Pentachlorophenol
 Concen: 0.023 ng/ul
 RT: 17.001 min Scan# 3013
 Delta R.T. -0.006 min
 Lab File: BM040246.D
 Acq: 14 Jun 2023 20:40

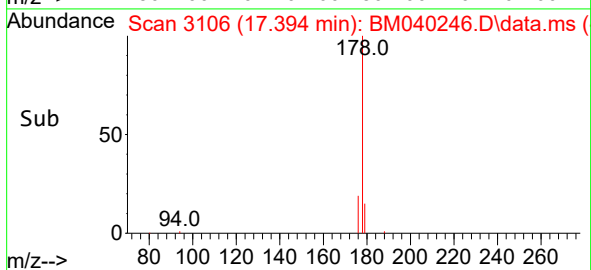
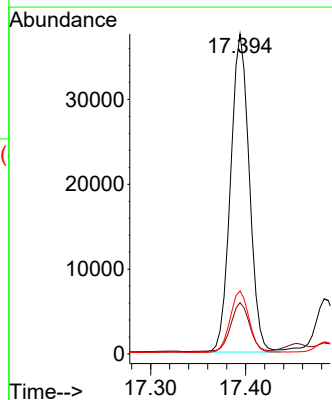
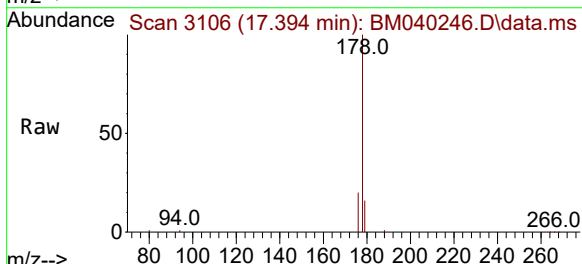
Instrument :
 BNA_M
 ClientSampleId :
 DCFR5

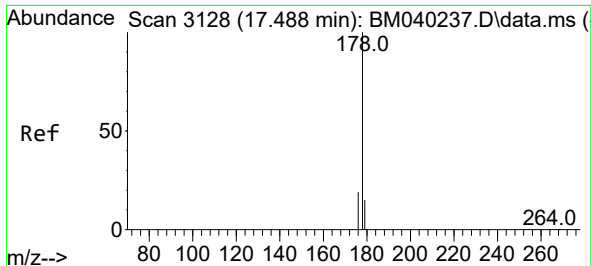
Tgt Ion:266 Resp: 197
 Ion Ratio Lower Upper
 266 100
 264 64.0 49.4 74.0
 268 73.6 51.3 76.9



#15
 Phenanthrene
 Concen: 0.474 ng/ul
 RT: 17.394 min Scan# 3106
 Delta R.T. -0.001 min
 Lab File: BM040246.D
 Acq: 14 Jun 2023 20:40

Tgt Ion:178 Resp: 51414
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.6 19.0
 176 19.7 16.1 24.1

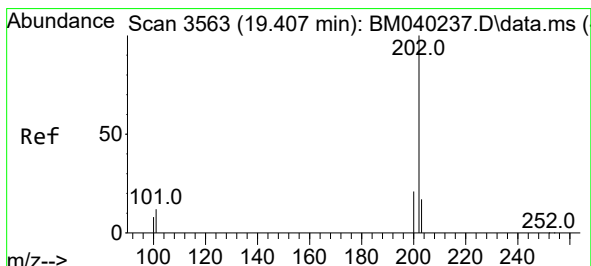
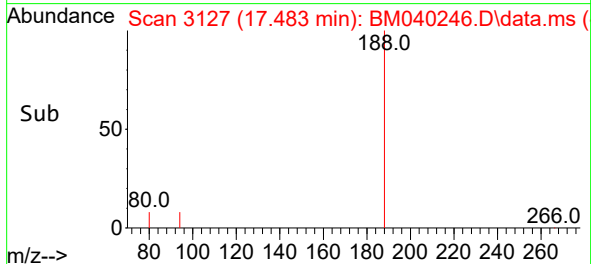
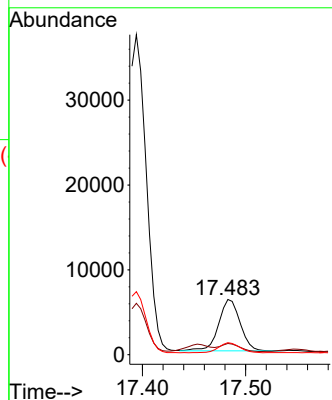
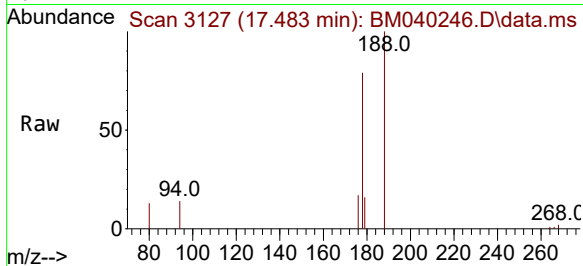




#16
 Anthracene
 Concen: 0.096 ng/ul
 RT: 17.483 min Scan# 3127
 Delta R.T. -0.006 min
 Lab File: BM040246.D
 Acq: 14 Jun 2023 20:40

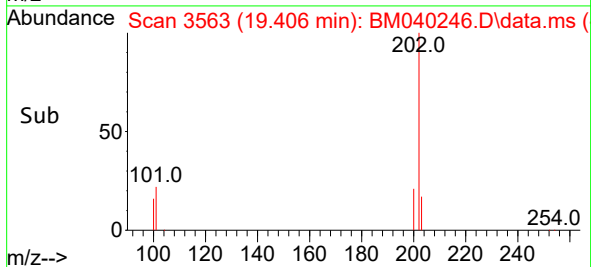
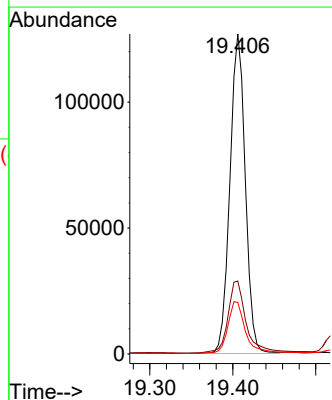
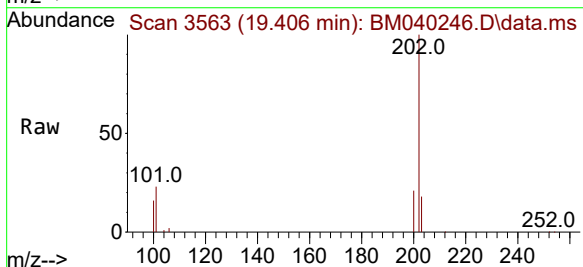
Instrument :
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 ClientSampleId :
 DCFR5

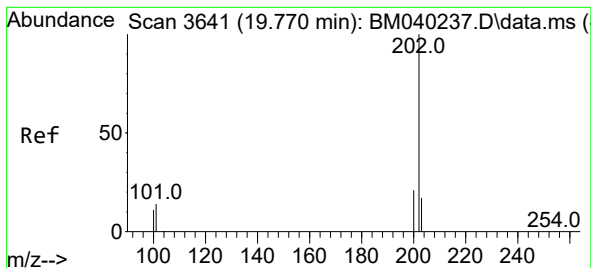
Tgt Ion:178 Resp: 8790
 Ion Ratio Lower Upper
 178 100
 179 20.3 13.0 19.4#
 176 21.6 15.5 23.3



#19
 Fluoranthene
 Concen: 1.526 ng/ul
 RT: 19.406 min Scan# 3563
 Delta R.T. -0.001 min
 Lab File: BM040246.D
 Acq: 14 Jun 2023 20:40

Tgt Ion:202 Resp: 162954
 Ion Ratio Lower Upper
 202 100
 101 22.8 10.2 15.4#
 100 16.1 7.6 11.4#





#20

Pyrene

Concen: 1.058 ng/ul

RT: 19.768 min Scan# 3

Delta R.T. -0.001 min

Lab File: BM040246.D

Acq: 14 Jun 2023 20:40

Instrument :

BNA_M

ClientSampleId :

DCFR5

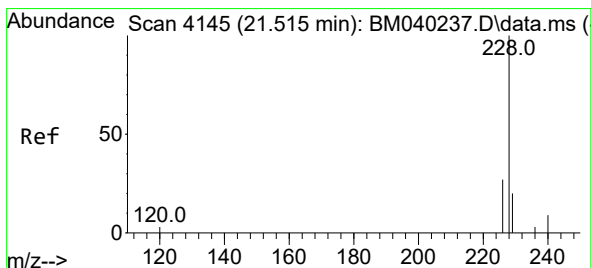
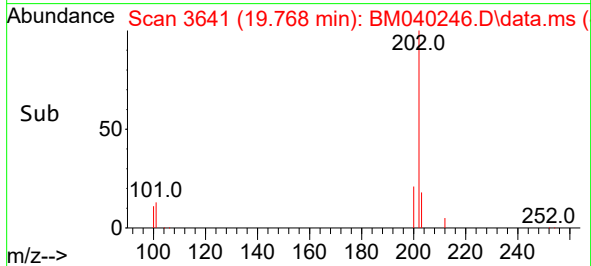
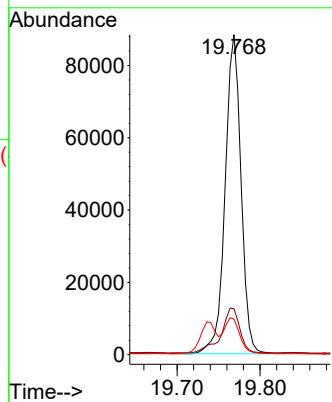
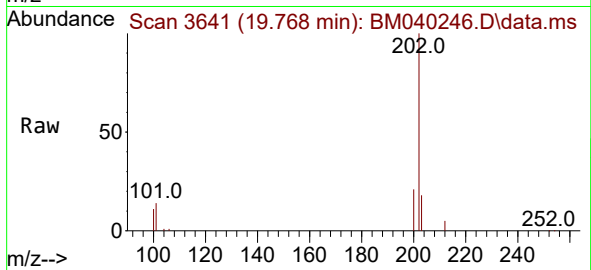
Tgt Ion:202 Resp: 117294

Ion Ratio Lower Upper

202 100

101 14.4 11.8 17.8

100 11.1 9.3 13.9



#21

Benzo(a)anthracene

Concen: 0.664 ng/ul

RT: 21.512 min Scan# 4144

Delta R.T. -0.003 min

Lab File: BM040246.D

Acq: 14 Jun 2023 20:40

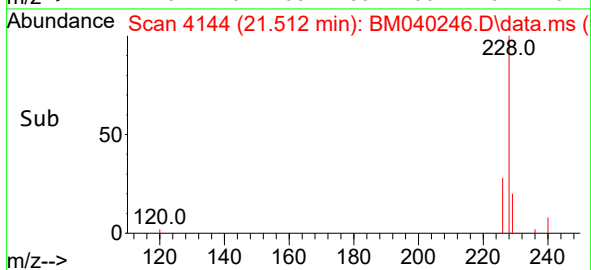
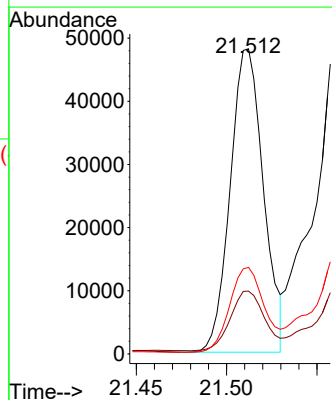
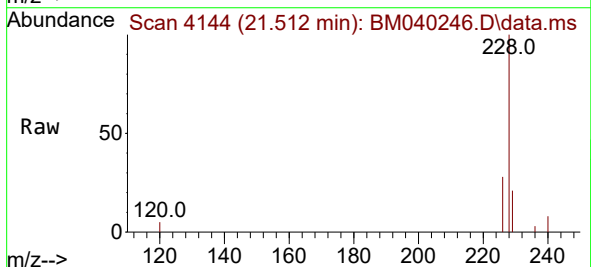
Tgt Ion:228 Resp: 61395

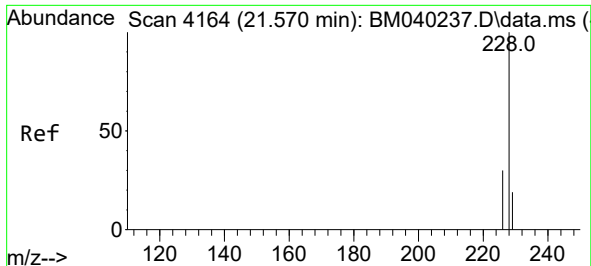
Ion Ratio Lower Upper

228 100

229 20.6 15.8 23.8

226 28.4 22.0 33.0





#22

Chrysene

Concen: 0.954 ng/ul

RT: 21.565 min Scan# 41

Delta R.T. -0.006 min

Lab File: BM040246.D

Acq: 14 Jun 2023 20:40

Instrument :

BNA_M

ClientSampleId :

DCFR5

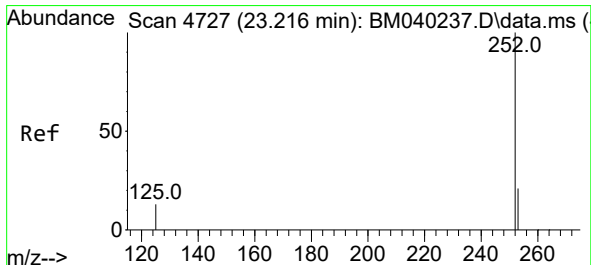
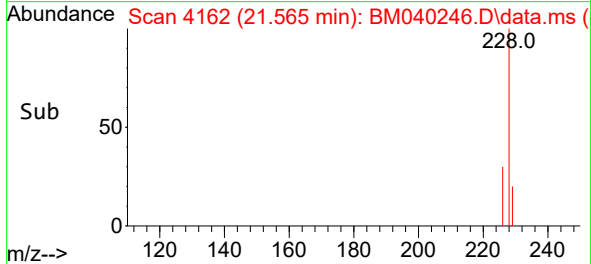
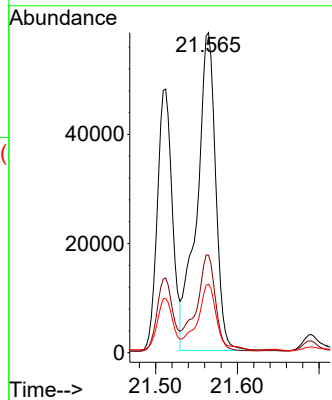
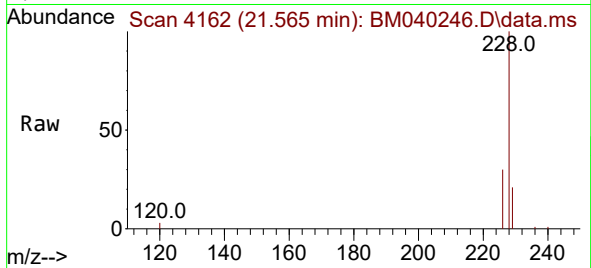
Tgt Ion:228 Resp: 93216

Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

229 21.4 15.7 23.5



#24

Benzo(b)fluoranthene

Concen: 1.298 ng/ul

RT: 23.213 min Scan# 4726

Delta R.T. -0.003 min

Lab File: BM040246.D

Acq: 14 Jun 2023 20:40

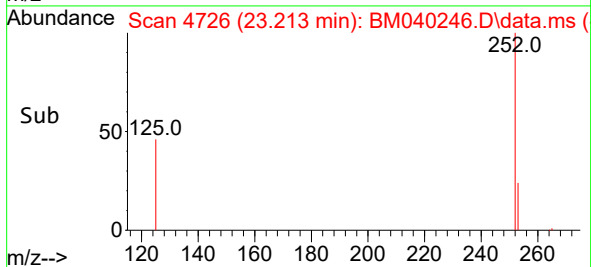
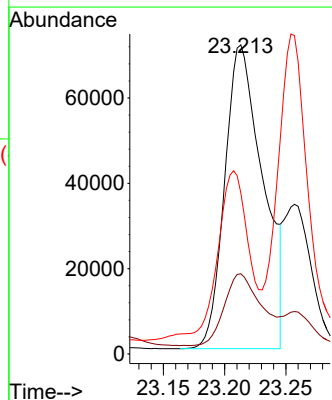
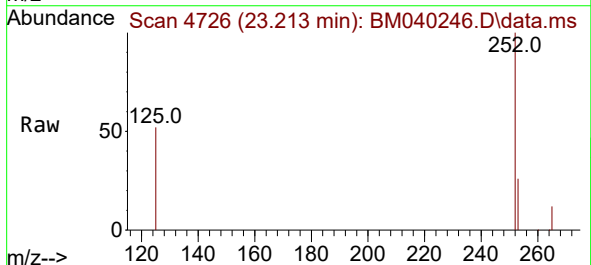
Tgt Ion:252 Resp: 154639

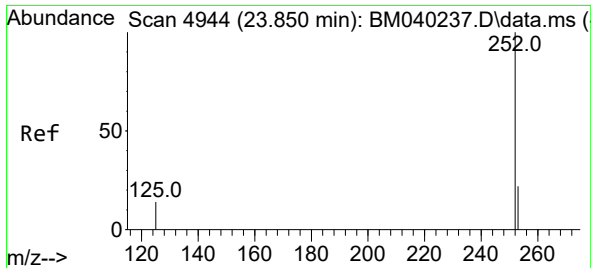
Ion Ratio Lower Upper

252 100

253 25.9 0.0 52.4

125 52.1 0.0 38.4#

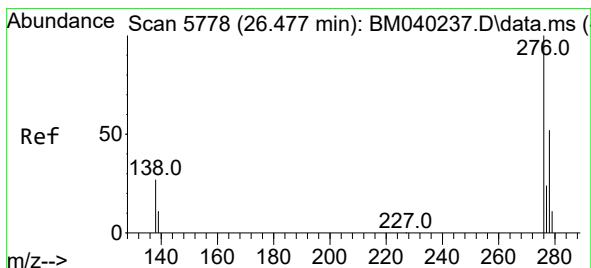
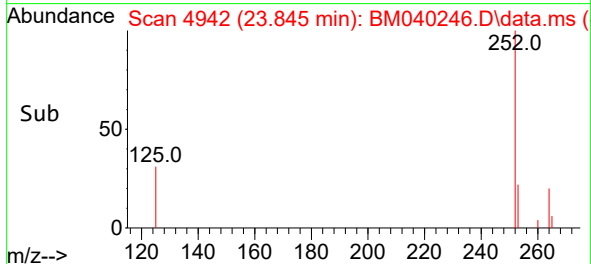
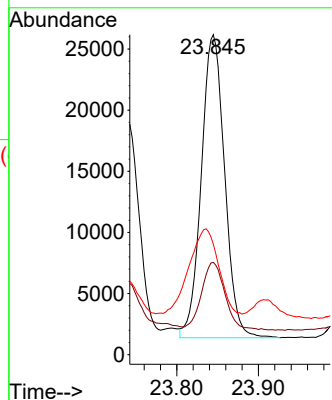
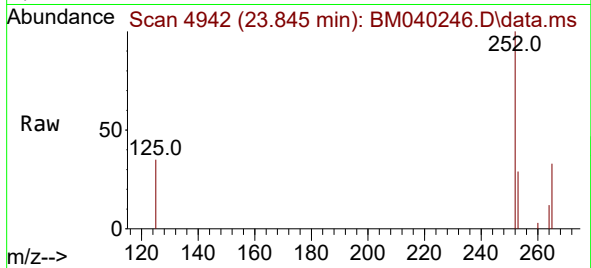




#26
Benzo(a)pyrene
Concen: 0.503 ng/ul
RT: 23.845 min Scan# 4944
Delta R.T. -0.006 min
Lab File: BM040246.D
Acq: 14 Jun 2023 20:40

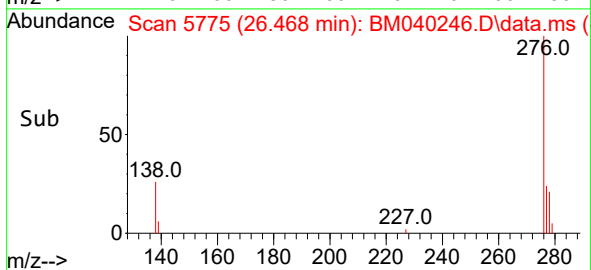
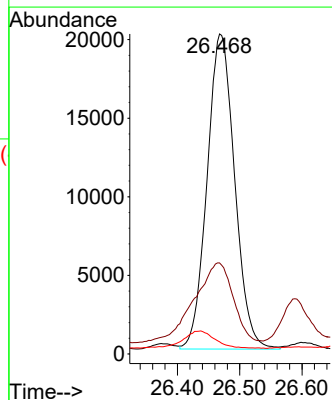
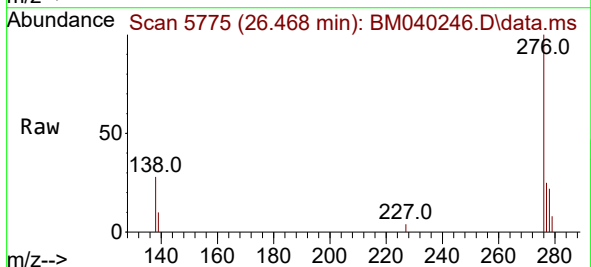
Instrument :
BNA_M
ClientSampleId :
DCFR5

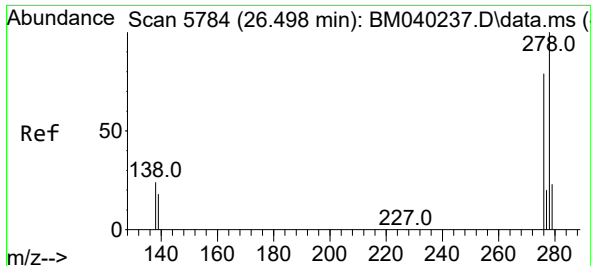
Tgt Ion:252 Resp: 49166
Ion Ratio Lower Upper
252 100
253 28.8 23.4 35.0
125 34.5 19.7 29.5#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.499 ng/ul
RT: 26.468 min Scan# 5775
Delta R.T. -0.010 min
Lab File: BM040246.D
Acq: 14 Jun 2023 20:40

Tgt Ion:276 Resp: 61747
Ion Ratio Lower Upper
276 100
138 36.1 23.3 34.9#
227 0.0 0.1 0.1#

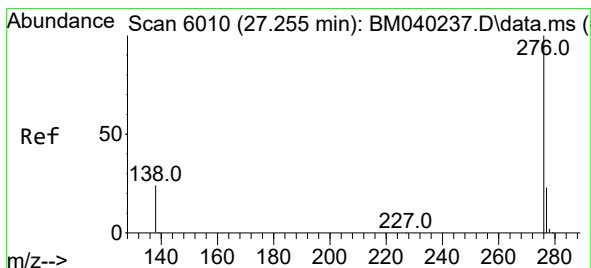
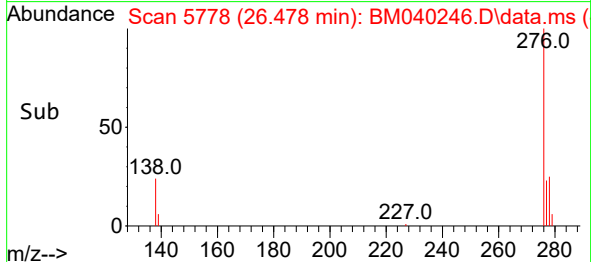
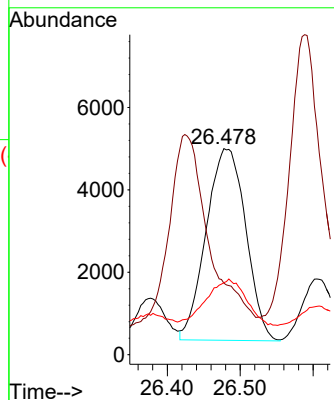
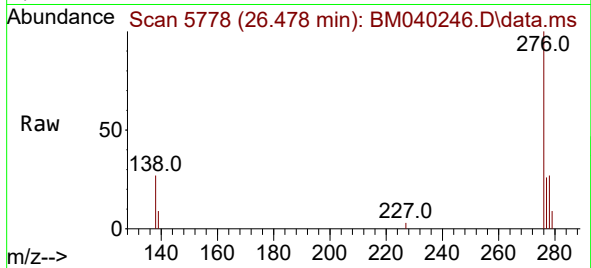




#28
Dibenzo(a,h)anthracene
Concen: 0.177 ng/ul
RT: 26.478 min Scan# 51
Delta R.T. -0.020 min
Lab File: BM040246.D
Acq: 14 Jun 2023 20:40

Instrument :
BNA_M
ClientSampleId :
DCFR5

Tgt Ion:278 Resp: 17561
Ion Ratio Lower Upper
278 100
139 34.7 16.4 24.6#
279 34.9 21.8 32.8#



#29
Benzo(g,h,i)perylene
Concen: 0.049 ng/ul
RT: 27.246 min Scan# 6007
Delta R.T. -0.010 min
Lab File: BM040246.D
Acq: 14 Jun 2023 20:40

Tgt Ion:276 Resp: 5078
Ion Ratio Lower Upper
276 100
138 88.7 21.0 31.4#
277 36.9 19.6 29.4#

